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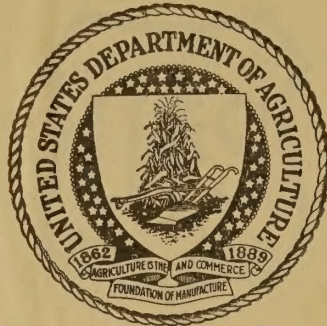
LAND USE PROBLEMS OF THE PIT RIVER BASIN  
AND THE PIT RIVER INDIANS IN MODOC,  
LASSEN, AND SHASTA COUNTIES IN  
CALIFORNIA.

✓ Prepared by  
Jesse Garcia.

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IN MODOC, LASSEN, AND SHASTA COUNTIES IN CALIFORNIA

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Prepared by  
Jesse Garcia  
Land Use Planning Section  
Land Utilization Division  
Resettlement Administration  
U. S. Department of Agriculture

July, 1937

Bentley, Cal.

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[1] The proposal arose as the result of a conference called by the Federal and State Departments of Indian Affairs and the Soil Conservation Service in Berkeley, California, May 17, 1937. This conference was attended by representatives of the U.S.D.I., U.S. Indian Service, and the Reclamation Administration. It was held at this conference that the need for a study of the Pit River Indians for rehabilitation was recognized.



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## LAND USE PROBLEMS OF THE PIT RIVER BASIN

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carefully this proposal because of its inherent land use planning

### INTRODUCTION

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A proposal has recently been tentatively made by the U. S. Indian  
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Service for the relief and rehabilitation of distressed Indians in  
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the Pit River Basin. This tentative proposal seeks to aid approx-  
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livestock, according to the plan, are to be supplied from animals

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new livestock units, the proposal calls for the purchase, through the

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LAND USE PROBLEMS OF THE PIT RIVER BASIN  
AND THE PIT RIVER INDIANS  
IN MODOC, LASSEN, AND SIERRA COUNTIES IN CALIFORNIA

INTRODUCTION

A proposal has recently been tentatively made by the U. S. Indian Service for the relief and rehabilitation of distressed Indians in the Pit River Basin. This tentative proposal seeks to aid approximately 30 Indian households in this area by establishing for each household an operating unit consisting of 50 head of cattle. The livestock, according to the plan, are to be supplied from animals now being raised to the U. S. Indian Service by Indian livestock men operating in other areas. These livestock men, having formerly secured loans in the form of drought-relief cattle, are at present paying the loans each year with a part of their calf crop. To establish these new livestock units, the proposal calls for the purchase, through the U. S. Indian Service of sufficient grazing and agricultural land in the Pit River area to support a total of approximately 1500 head of cattle. The Indians are then to be aided by an attempt to supplement the present low income of 30 households by "leasing" each to a small livestock enterprise. (1)

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As a member of the Land Use Planning Section staff of the Resettlement Administration, the writer has a direct interest in examining carefully this proposal because of its inherent land use planning character. But he has an even more immediate reason. As a member of the committee charged with the function of preparing and reporting upon the proposal, he not only is sensible to a keen interest in it, but also to an urgent responsibility for inquiry into its ramifications and its effects, if it is carried out, upon the Indians in the Pit River area. (2)

This report therefore purposes to make this inquiry by: (1) comparing the tentative proposal with efforts made in the past to aid the Pit River Indians; (2) surveying from a land use point of view certain Indian communities in the Pit River area; and (3) pointing out limitations attaching to the tentative rehabilitation plan as it affects these communities. In the light of this inquiry certain recommendations will be submitted which should be seriously considered in developing a rehabilitation program for Indians in the Pit River area.

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(2) The committee was selected at the Berkeley conference to study closer a possible rehabilitation program for Indians in the Sacramento Indian Jurisdiction and particularly the Pit River Indians, through land purchases and livestock loans. Members of the committee were: T.C.-B.I.A.: Dr. W. W. Hill, Gene Sterling.  
U.S.I.S.: Roy Nash, Superintendent of the Sacramento Indian Jurisdiction; E. M. Johnston and Douglas Clark, Land Field Agents; Dr. Gordon McGregor, Assistant Field Anthropologist.  
Resettlement Administration: Jesse Garcia, Junior Agricultural Economist.



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 Kesterson, Assistant Field Anthropologist;  
 Assistant Administration: Louis Garcia, Junior Agricultural Science  
 major.



## EFFORTS TO AID THE PIT RIVER INDIANS

These efforts on the part of the Indian Service appear impressive. When Any program dealing with human relations, if it is to be carried out viewed from the standpoint of monetary costs, they are even more impressive successfully, needs constantly to be subjected to constructive criticism. And, indeed, they are commendable in that they represent criticism and re-examination on the part of those who have taken the trouble to give the program serious thought and consideration. In this spirit endeavors should therefore consider the deep respect and praise of all of criticism, the proposition is submitted that efforts on the part of those people who are genuinely sympathetic with the future of the Indian the U. S. Indian Service and others so far to aid the Pit River Indians have not generally relieved the basic and deep-seated problems confronting these Indians. These problems can be characterized as: (1) deficient subsistence, and (2) cultural maladjustment. As a consequence of not meeting these problems squarely, the efforts to aid Indians do not show appreciable progress toward economic and cultural adjustment of the Indians to an environment and a way of life which to these native Americans continue to be strange and mysterious.

## PAST EFFORTS TO AID THE PIT RIVER INDIANS

Efforts have been made by the federal government, through the U. S. Indian Service, to stem the downward trend in the level of living of the Pit River Indians. This agency has aided Indians in selecting public domain allotments, has provided schools for Indian children and has made provision for educating others in public schools, has provided a semblance of a health service, has purchased small homestead tracts for homeless Indians, has recently subsidized construction of a few small houses for needy Indian families and has created a position for farm extension



THEORY OF THE STATE

The theory of the state is a branch of political science which deals with the nature, origin, and development of the state. It is a subject of great importance and interest to all who are concerned with the welfare of the community. The state is a political entity which has the power to make laws and enforce them. It is the highest authority in the land and is responsible for the maintenance of order and justice. The theory of the state seeks to explain the reasons why the state exists and how it should be organized and governed. It is a subject which has attracted the attention of philosophers, historians, and political scientists for many centuries. The theory of the state is a complex and multifaceted subject which touches upon many different aspects of human life. It is a subject which is constantly evolving and changing as the world around us changes. The theory of the state is a subject which is of great importance to all of us, for it is the foundation upon which our society is built. It is a subject which we should all strive to understand and appreciate.



agent for the benefit of the Indians. (II)\*

These efforts on the part of the Indian Service appear impressive. When viewed from the standpoint of monetary costs, they are even more impressive. and, indeed, they are commendable in that they represent sincere intentions to aid Indians by alleviating their economic distress. These endeavors should therefore command the deep respect and praise of all those people who are genuinely sympathetic with the future of the Indian population.

Public Domain Allotments - Allotting to Indians parcels of public domain land, ranging in size up to 160 acres, was motivated by a desire to provide land resources to these Indians to aid them in producing a subsistence. This end was not achieved for several important reasons. All the limited amount of agricultural lands, as well as the desirable range land, had already been appropriated by white settlers. There remained only mountainous and poor range land, in most instances without water. Local pressures were usually exerted to keep any remaining usable range land in the public domain out of Indian hands. The mechanical process of allotting land from a map without field inspection, resulted in Indians getting, in most cases, allotments comprising the poorest of the remaining public domain. (II)\* These allotments, being in many cases inaccessible, without water, and at best, poor grazing land, required large acreages for productive use. In few instances allotments are used merely as isolated

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\*See Bibliography present sufferings of those treated. They do nothing.







homesites, but in most instances they remain unoccupied, idle or used free by white livestock men. Safely it can be said that the mechanical transfer of title to a type of land represented by allotments really contributed but little to the solution of the problem of deficiency of productive land among the Pit River Indians.

Education - The provision of educational facilities for Indian children in the form of Indian day schools at the Likely and Lookout communities and through the opening of public schools to Indian children in other areas, has been an effort to fill the dire need for Indian education. In most instances, however, the low economic status of Indians is reflected in the poor and unhealthy appearance of Indian children who attend school. Presence of these children in the same school with non-Indian children is repugnant to the local white residents. This unfavorable attitude toward Indian children attending public schools plus the economic impossibility of some Indian households to send their children to school at all, make it difficult for Indians to take optimum advantage of the educational facilities available to them. Offering of educational facilities, without stabilizing at a higher level present home conditions of school children, has but uncertain advantages.

Health - Medical services or services of a field nurse are available to a portion of the population in this area. Such services are efforts to lessen the present sufferings of those treated. They do nothing,







however, to adjust the causes giving rise to trachoma, tuberculosis, and other ailments brought on principally by undernourishment, poor housing, and forced idleness of this total population.

Land Purchases - Six small parcels of land have been purchased for Pit River Indians. The objective of these purchases of parcels has never been clear to the writer. If the objective was to provide arable land for these Indians, the efforts were wasted, as all lands purchased, except the parcel at Alturas, are not arable and at best are of doubtful grazing value. If the object was to provide homesites, poor choice is evident as all but one are waterless, rough, and isolated and would require large expenditures to make such lands habitable. Indians already possessed thousands of acres of allotments just as suitable for homesites as lands purchased. The contribution of these purchases to the solution of the problem of seriously deficient means of producing or earning a livelihood is questionable.

Rehabilitation Homes - A few homes have been built for needy households in this area. As a part of a broader plan of rehabilitation, aid in home construction could be important but as an end in itself home building is but a hollow contribution in the face of extreme need for means of obtaining the very minimum food requirements.

Farm Extension Agent - Nearly complete absence of productive land resources makes the provision of Farm Extension services ironical. The existence of numerous problems, however, taxes the time and resources



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of this agent. When adjustment of land use problems in this area can no longer be put off, the experience of this agent can be invaluable in the determination of a desirable program.

All these efforts have an important part to play in a broad rehabilitation program, provided such a program attacks basic problems in an effective manner. Without provision for soundly raising household incomes above a degenerating level and without affording some basis for cultural adjustment, however, all the funds expended in existing services will not be spent in the most effective manner.

#### PRESIDENT PLAN TO AID THE PIT RIVER INDIANS

The present tentative plan proposed by the U. S. Indian Service to rehabilitate the Pit River Indians presumes to differ from the past efforts. It strives to attack the basic problems of low income level and cultural maladjustment. Far from serving merely as a measure providing for temporary relief, the present plan is designed to serve on a long-time plan which, in its application and its development, contemplates a modification of the land use pattern of the area. By the establishment of livestock units, it seeks to direct the use of land and to place 30 households on a more stable basis than they enjoyed formerly. After a period of time, it is expected, the stability in production and in income of the 30 households will prove significant enough to have affected favorably the stability of others in the area. By thus lifting the economic level of the Indian population in the



All other efforts have been exhausted and it is now a matter of time before the Government will be forced to take action. The Government has been very patient and has tried to work out a solution with the rebels. But the rebels have refused to negotiate and have continued to fight. The Government has been very patient and has tried to work out a solution with the rebels. But the rebels have refused to negotiate and have continued to fight.

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## RECOMMENDATIONS

area, the plan presumes that the way will be opened and facilitated for cultural adjustment. The actual contribution of this proposal, if adopted, however, will depend on the extent of consideration given factors briefly referred to in the sections of this report pertaining to the limitation of the proposal, and the recommendations for the rehabilitation of the Pit River Indians. These are as follows: (1) Attorneys

AMERICAN INDIAN LAWYERS ASSOCIATION; (2) INDIAN BUREAU, BUREAU OF INDIAN AFFAIRS, U.S. DEPARTMENT OF THE INTERIOR; (3) BUREAU OF INDIAN AFFAIRS, U.S. DEPARTMENT OF THE INTERIOR; and (4) INDIAN BUREAU, U.S. DEPARTMENT OF THE INTERIOR.

The proposed recommendations that should be followed in the first three areas. In regard to the scattered areas where Indians are located, no land purchases are contemplated. It is proposed that pro-

posed in these scattered areas be encouraged to move, in order to be able to be rehabilitated in the future.

It would be better to have the Indians live side by side, so as to be able to be rehabilitated in the future.

and the Indians. The proposed recommendations are as follows: (1) The natural resources of the land and from the economic and social rehabilitation

particular to the areas are therefore shared by the Indian and non-Indian population alike, hence they face similar problems. In

rehabilitation, the Indians are the same as the non-Indian population. The Indians are the same as the non-Indian population. The Indians are the same as the non-Indian population.

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particular to the areas are therefore shared by the Indian and non-Indian population alike, hence they face similar problems. In







## PIT RIVER AREA

Before pointing out the specific limitations to the proposed rehabilitation plan and before submitting recommendations, it is necessary to survey, from the standpoint of land use, certain specific areas in the Pit River country in which Indian households are to be found. The areas selected for more detailed discussion are as follows: (1) Alturas-Likely area, Modoc County; (2) Lookout area, Modoc and Lassen counties; (3) Fall River area, Shasta County; and (4) scattered areas in Modoc and Shasta counties. The proposal recommends that lands be purchased in the first three areas. In regard to the scattered areas where Indians are located, no land purchases are contemplated. It is proposed that progressive Indians in these scattered areas be encouraged to move, in order to take part in the rehabilitation projects in the other areas.

It should be pointed out that these areas are not inhabited wholly by Indians. The non-Indian population lives side by side, so to speak, with the Indian. The difficulties arising from the limitations of the natural resources of the land and from the economic and social maladjustments peculiar to the areas are therefore shared by the Indian and non-Indian population alike, hence they face similar problems. In addition, however, the Pit River Indians face problems distinctly peculiar to Indians in this area because of the nature of their economic and social maladjustment.

A program designed to adjust Indian problems of population and resources







## GENERAL LAND USE PATTERN OF THE PIT RIVER AREA

### Indian Population

cannot be developed independently of a recognition of the agricultural practices and land use problems characteristic of the whole area under examination. This is particularly true in areas where the total land resources are limited, and where multiple uses of such resources are essential for the best interests of all concerned as is the case in the Pit River area. The Indian program must at once be congruous with the larger economic and cultural pattern and be applicable to the Indians trying to make a living within such area.

This section of the report will accordingly be divided into two parts. The first part will be devoted to: a brief descriptive outline of the Indian population in the Pit River area, a summary of the present physical and economic pattern, and a delineation of the land use problems characteristic of the area as a whole. The second part of the section will be concerned with brief surveys of each of the areas tentatively selected as areas in which land might be purchased and livestock enterprises established. In each of these surveys the agricultural pattern of the particular area will be described. Immediately following such characterization of the general pattern, a description of the Indian population and resources in each area will be presented. This account will serve to point out the peculiarity of the land use problems confronting the Indians in this area.

widened throughout the area by a increased population in a previous stage of social and economic readjustment.



[illegible]

This section of the report will necessarily be divided into two parts. The first part will be devoted to a brief description of the Indian population in the U.S. and a survey of the physical, mental and economic conditions, and a description of the life and work of the Indian community in the U.S. as a whole. The second part of the report will be devoted to a detailed survey of each of the Indian communities which are in the U.S. and which are in the process of being developed. In each of these communities the physical, mental, and economic conditions will be described. The physical conditions of the Indian population will be described, a description of the Indian population and community will be given. This section will cover the physical and mental conditions of the Indian population in the U.S. and the physical and mental conditions of the Indian population in the U.S. as a whole.



## GENERAL LAND USE PATTERN OF THE PIT RIVER AREA

### Indian Population

Pit River Indians at present total approximately 500 Indians, comprising 70 to 80 households. These Indians reside in groups ranging in size from a few households to 15 households, widely scattered throughout the Pit River area in Modoc, Lassen, and Shasta counties in northeastern California. This Indian population once numbered over 3,000 and was composed of scattered or wandering tribes subsisting mainly on acorns and other plant and animal life of the area.

Intrusion of settlers with the resulting appropriation of the Indian land resources and the exploitation of the fish and game created considerable friction between the native population and the settlers. Wars were long and bloody in this region, but the civilian adventurers, together with the help of the U. S. Army, aided the settlers in finally conquering the Indians. As the result of the wars, the Indian population in the Pit River Basin was greatly reduced and scattered. Left without land resources sufficient to provide a minimum supply of wild products for bare subsistence, with no efforts made by the conquering whites to replace their former means of subsistence with productive land or labor opportunities, the Pit River Indians are today fighting the second battle for existence against the degenerating economic forces. Not as spectacular as the first defeat, but just as certain, is pending the defeat facing these Indians through the forces of a deficient subsistence, evidenced throughout the area by a decreased population in a serious stage of social and economic maladjustment.



Indian Population

on insects and other plants and animals of the area.

evidence throughout the area by a decreased population in a serious  
 manner. Large numbers of people are now leaving the area, and the  
 number of the first family, and that of the second, is small. The  
 first family is now the only one left in the area, and the second  
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 the area, and the second family is now the only one left in the area.



## Physical and Economic Pattern

The physical and economic pattern outlined below attempts to sketch briefly the economic environment in which the Pit River Indians generally reside and in which the proposed rehabilitation projects, through land purchases and livestock loans, are to be established.

Topography - This area is topographically divided by high mountainous divides into numerous well-defined valleys of varying sizes. At the lowest point in this area near Fall River Mills, the altitude is approximately 3000 feet above sea level; the outlet of Big Valley in the Lookout area is 4115 feet; Alturas is 4345 feet; Hot Springs, 4300 feet; Likely, 4390 feet; and the Jess Valley outlet, 5050 feet. (I)\*

Geology - The Pit River area is situated on the western fringe of the Great Basin. It is bounded on the east by the Warner Range and extends westerly to Fall River Valley. The climate, topography and geology are characterized by the general features common to that area; namely, semiarid, undulated plateaus interspersed with mountain ranges, and with lava rocks and ancient lake beds predominating. The Fall River area has these features modified somewhat by a lower altitude and slightly higher rainfall. (I)\*

Soils - Soils in the Pit River area are classed according to their relative topographical distribution, as follows: River bottom soils, valley floor border soils, soils on rolling or terrace lands, and soils on range lands. (I)\*



The physical and economic features of the region are closely related. The physical features, such as the mountains, rivers, and lakes, have a profound influence on the economic activities of the region. For example, the mountains provide a source of timber, while the rivers and lakes provide a source of water for irrigation and transportation.

Physical Features - This area is geographically situated in the northern part of the country. It is bounded by the mountains to the north and the rivers to the south. The climate is temperate, with a long growing season. The soil is fertile, and the vegetation is dense. The population is concentrated in the valleys and along the rivers.

Economic Features - The main economic activities of the region are agriculture, forestry, and fishing. The mountains provide a source of timber, and the rivers and lakes provide a source of fish. The fertile soil and long growing season make it possible to grow a variety of crops, including wheat, corn, and soybeans. The population is engaged in these activities, and the region is a major source of food and raw materials for the country.

Conclusion - The physical and economic features of the region are closely related. The mountains, rivers, and lakes provide a source of natural resources, which are used in the economic activities of the region. The fertile soil and long growing season make it possible to grow a variety of crops, and the population is engaged in these activities. The region is a major source of food and raw materials for the country.



River Bottom Soils - These soils generally lie below the flat flood-planes of streams. In Big Valley, Hot Springs Valley, and South Fork Valley they may be relatively deep. Such soils are largely composed of heavy loams with some clay or adobe. In Jess Valley they may be composed of muck and peat, while in the South Fork Valley mucky loam is found.

Valley Floor Border Soils - These soils lie on the gently sloping lands slightly above flood-planes of the streams. Such lands include alluvial fans. These lands consist of loams and clay loams. In Jess Valley and East Creek, soils are largely gravelly and sandy loams. Such soils are very light and permeable and require frequent irrigation.

Soils on Rolling and Terrace Lands - Rolling lands are variable in depth and consist of gravelly and sandy types. The deeper soils, if reached by high-line irrigation ditch systems, produce good crops. Soils of undulating terrace lands are generally shallow. It is difficult to get water on such lands, and the soils dry quickly.

Soils on Range Lands - Surface soils covering the major part of plateau and mountain areas consist of heavy loams or clay loam and are generally strewn with volcanic rock boulders.

Water Available for Irrigation - The mountainous boundaries of major valleys make the water supplies and uses in each valley relatively unrelated. The irrigating season in the upper Pit River part of this



the South West Valley where it is found in large quantities of heavy iron ore and is also used in the manufacture of iron and steel. It is also used in the manufacture of iron and steel.

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It is difficult to get water on such farms, and the result is

to surface soils covering the major part of

1. The first step in the process of identifying a problem is to define the problem. This involves identifying the symptoms of the problem and determining the scope of the problem. Once the problem has been defined, the next step is to identify the causes of the problem. This involves identifying the factors that are contributing to the problem and determining the underlying causes. Once the causes have been identified, the next step is to develop a plan of action. This involves identifying the steps that need to be taken to solve the problem and determining the resources that will be needed to implement the plan. Finally, the last step in the process is to implement the plan and monitor the results. This involves putting the plan into action and tracking the progress of the solution. Once the problem has been solved, the final step is to evaluate the results and determine if the solution was effective. This involves comparing the results of the solution to the original problem and determining if the problem has been solved. If the problem has not been solved, the process may need to be repeated.



area extends from April 15 to September 30, with live-stock requiring water until November 1. During April and May, a surplus of irrigation water exists. The supply decreases rapidly, being deficient for irrigation requirements by the last of June unless streams are supplied by perennial springs. During the meadow haying season, extending over the last three weeks in July, demand for water decreases. By August 1, the water supply is at its lowest stage and in many streams livestock water is inadequate during the months of August, September and October. (I)\*

Crops - The major crop in this area is meadow grass hay, varying from poor quality grass on saturated meadows to more nutritious meadow grass grown on better drained irrigated areas. Native meadow grasses are generally fortified by sowing cultivated grasses and clover. One crop is harvested in July and another short crop is pastured.

Meadow hay is produced on approximately 65 per cent of the irrigated acreage. Alfalfa is produced on approximately 12 per cent of the irrigated area and this acreage lies largely on plateaus, sloping, and higher lands. (I)\*

Dry farming is comparatively small, the principal crops being rye, barley, and wheat, named in order of importance.

Ownership and Land Pattern - A large portion of the land in this area is in public ownership, largely being either in National Forests or in Public Domain land. Much of the remainder is held privately in

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\* See Bibliography



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large units, usually extensively utilized. An indication of the size of irrigated holdings is given by the census figures crediting Modoc County with an average sized farm of 724 acres, of which 125 acres are irrigated. In the Hot Springs Irrigation District, the average size farm is 270 acres. In Big Valley, it is 320 acres.

(III)\*

#### Summary of the Major Land Uses

Grazing and Agriculture - Grazing in this area is the major industry as grazing land comprises the major portion of the total acreage. This grazing land is largely controlled and administered by public agencies, with the U. S. Forest Service and the Modoc-Lassen Taylor Grazing District controlling the use of the major part. Agricultural uses of the land are closely linked with the grazing industry by producing winter feed, while grazing land furnishes the summer feed. The carrying capacity varies from four to eight acres per cow month depending on the local quality of land and climatic conditions. On a conservative average, cattle must be fed approximately six months of the year. Feed requirements for this period will average one and a half tons of hay per animal unit.

Lumbering - In the <sup>w</sup>northeast portion of Modoc County excellent stands of timber are found. In former times the lumber industry formed an important part of the total income of this area. With

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\* See Bibliography



(1112)\*

It may be said that the

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the present upward trend in the demand for lumber plus efforts to place timber production on a sustained yield basis, the lumber industry may again play an important part in the permanent development of the area.

Recreation - In the South Park and Jemez Valleys, scenic features plus excellent hunting and fishing make this area attractive to recreationists. Programs aiming at increasing the fishing and hunting resources in this area through restocking and protection, and the construction of new roads or improvement of old roads promise to increase the recreational value of the area. Increase in tourist travel and the number of hunters and fishermen will contribute to the economic development of the area.

Land Use Problems

Agricultural Problems - The short growing season, high altitude, deficient rainfall for dry farming (except possibly in the Fall River area), deficient water supply for present irrigated acreage, uncertain water rights, soils extremely variable in quality with only a limited acreage rated as good, and poor drainage, all have given rise to numerous agricultural problems. In the Lookout area, farm abandonment is prevalent due in part to the small size of the farm units. (IV)\*

Over-Population - A problem of over-population exists in this area.

It can be remedied only by creation of employment through the development of the lumber industry and the recreational resources unless

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\* See Bibliography







some of the people are moved elsewhere. Rehabilitation usually appears to be desirable. (IV)\*

Over-Grazing - Over-grazing of range lands is a serious problem in Modoc County. A larger number of livestock are grazed than the range resources should carry for the proper conservation and development of these resources. (III)\*

Competition for Grazing Resources Between Game and Stock - An increasingly important use of land affecting this area is in connection with both summer and winter range for deer and antelope. Considerable controversy prevails in this area regarding the apportionment of the uses of land between livestock and game animals. This controversy is manifested by the strained attitude of the local people toward various government agencies administering federal lands. (IX)\*

Coordination of Multiple Uses of Natural Resources Needed - A lack of coordination between private and public interests regarding present and future programs for the multiple use of land resources in this area was brought out by a 1935 report of the Land Utilization Committee of the State Planning Board. (3)

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- (3) \* Statement of the Land Utilization Committee of the California State Planning Board on Problems of Land Use Management and Jurisdiction in Lassen and Modoc Counties, California, 1935. In this report, interests and jurisdictions were found to be conflicting. Interests in conflict in the area in order of their importance: (1) Livestock, husbandry and grazing; (2) Lumbering, forestry and dependent industries; (3) Wildlife and recreation. Governmental agencies with conflicting jurisdiction over natural resources: (1) Modoc-Lassen Taylor Grazing District, administered by the Department of Interior, Division of Grazing; (2) U. S. Forest Service, Department of Agriculture; (3) Division of Fish and Game, California State Department of Natural Resources; (4) The

\* See Bibliography



The present report is the result of the work of the  
in the past and is a summary of the work of the  
not merely a list of facts but a summary of the work  
done in the past.

Introduction - The first section of the report is devoted to a  
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## LAND USE PATTERN OF PARTICULAR AREAS

### Alturas-Likely Area

#### General Agricultural Pattern

Irrigated Acreage - In the South Fork and Jesse Valleys extending from the proximity of Likely to Alturas, nearly 20,000 acres of land are irrigated from minor constructions that serve, in some instances, as both irrigation and drainage structures. Such irrigation constructions are either individually owned or owned by informal associations of several operators. In this area water rights, based largely on appropriations and beneficial use, are assumed to be attached to the land. Summer flow of streams is deficient for existing diversion rights. In any contemplated land purchase program, water rights to proposed purchase of agricultural lands in this area should be carefully checked. Consideration should also be given to the present procedure for the adjudication of water rights now under way. Water requirements range up to 4.2 acre feet per acre on lands adequately watered. Water is generally supplied by surface flooding. The short season enables the average production of one harvested hay crop and one pasturage crop. Hay yields range from three-fourths to two tons

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(S) continued

A. A. A. in the Department of Agriculture proposed a land purchase in the region; (5) U. S. War Department maintains a bombing base in Lassen County; (6) U. S. Biological Survey, Department of Agriculture.



There are no other people in the world who are so much interested in the life of the people as the people themselves.

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(b) [Illegible text]

1. The Department of the Interior is the principal agency for the management of the public lands and is responsible for the conservation of the natural resources of the United States. The Department is organized into several bureaus, each of which is responsible for a specific function. The Bureau of Land Management is responsible for the management of the public lands, the Bureau of Reclamation is responsible for the management of the water resources, the Bureau of Indian Affairs is responsible for the management of the Indian lands, and the Bureau of Geographical Names is responsible for the management of the geographical names. The Department also has a number of other offices, including the Office of the Secretary, the Office of the Assistant Secretary, the Office of the General Counsel, the Office of the Inspector General, and the Office of the Chief of Staff.



... delivery is made by ... per acre. The average is one and one-half tons per acre, or enough to feed one animal unit during the winter feeding period. (I, V, XI)\*

Irrigable Acreage - In the South Fork and Warm Springs Valleys, and in the immediate vicinity of Alturas, there is a gross total irrigable acreage of 46,000 acres. There are 40,000 acres suitably located and adapted for irrigation if proper water storage facilities are made in the Jess Valley reservoir site. (XI)\*

Irrigation District - Hot Springs Valley Irrigation District is at present the only active irrigation district in this area. It includes lands adjacent to the Pit River from northwest of Alturas to a few miles west of Canby. The district was organized September 27, 1919, with a total assessed acreage of 9,497 acres extending along the Pit River between Alturas and Canby in Modoc County, California. The district was formed to supplement the flow of the Pit River, which at times failed in the summer because of the flashy character of such flow and increased use of this flow on lands in the higher South Fork Valley. The district holds permit to store 50,000 acre feet of water, but the annual flow on which the permit is held is unreliable. In one year out of five a complete failure of water may be expected and in the other four years 5,000 to 10,000 acre feet may be depended upon. (I)\*

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\* See Bibliography



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Water delivery is made by releasing stored water into the Pit River and then by use of a main diversion canal feeding laterals on individual holdings. Bonds in 1929 totaled \$160,000 with \$32,000 having been retired. Assessments were based, in 1929, on the basis of the following assessed values: Meadow and alfalfa lands, \$30 per acre; grain lands, \$15 per acre; grazing lands, \$10 per acre. In the 1925-29 period, total assessments ranged from \$7.10 to \$10 per acre. (X)\*

Non-Irrigated Acreage - Owing largely to physical or economic reasons, irrigation water is not available to a certain acreage of the agricultural land in this area. Some 40,000 acres of such lands are largely located on the higher portions of agricultural areas and, if farmed at all, must be dry farmed. Rainfall in this area ranges from six inches to sixteen inches annually and falls largely in the winter. Success of dry farming is highly dependent on this meager rainfall being distributed so that it extends into the short growing season (average growing season is 70 days and damaging frosts may be expected every month of the year).

Indian Aspects of the Alturas-Likely Area - The framework of the general agricultural economy in this area has been outlined. The resources in the area have been briefly described, the agricultural practices have been sketched, and the land use problems characteris-

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\* See Bibliography



When delivery is made by express, the carrier is not liable for loss or damage to the goods unless the loss or damage is caused by the negligence of the carrier or his servants. In such cases, the carrier is liable for the full value of the goods. In the case of goods delivered by the carrier, the carrier is not liable for loss or damage to the goods unless the loss or damage is caused by the negligence of the carrier or his servants. In such cases, the carrier is liable for the full value of the goods.

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... The only two rancheria units of this neighborhood ...  
tic of the area as a whole have been pointed out. This brief survey  
will serve as a background upon which land use problems distinctly  
Indian in nature can be delineated.

### Indian Land Resources

Alturas - A 20 acre rancheria was purchased and is held in trust by the government for use by Indians in the area. The land is of fair quality but has no irrigation water available and is too small a unit for dry farm use. Several families use this as a homesite. Some of the Indians own mountain allotments and homesteads with limited grazing value. The small size of the grazing units further limits the feasibility of using such lands. These lands are largely idle or used by white livestock men free or for only a small fee.

Near Alturas, Indians purchased a small acreage and built homes with funds secured from the sale of allotments. No water or suitable soil for garden production is available here. Part of this land is now in doubtful status because of tax delinquency.

(III)\*

Likely - A 40 acre rancheria was purchased and is kept in trust by the federal government for use by Indians. The land contains shallow soil with numerous outcroppings of lava rock. It is practically worthless for agricultural purposes and has no water

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\* See Bibliography



On the 2nd and 3rd of March, 1904, I was able to see a few of the eggs and the eggs.

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1. The first of these is the fact that the Government has been unable to secure the necessary funds to carry out its policy of non-interference in the internal affairs of the Republic of China.



supply. The only use now being made of this ranheria is for a graveyard and a public school. Indians in this area hold numerous allotments and homesteads used for homesites. Such small land holdings comprise only poor grazing land and would require huge acreages for productive use.

has had two adverse effects on the  
Indian Population - Approximately 150 Indians are distributed in the Alturas-Likely area.<sup>(4)</sup> Near the town of Likely, 11 households comprising 59 members reside on scattered allotments. Near the town of Alturas, in an Indian camp located on Indian privately owned land and on the federally purchased ranheria, a total of 68 Indians live. Six households, with a total of 21 members, are scattered near Hot Springs and Canby. This total Indian population has become highly demoralized socially and economically because of the limited opportunities afforded them and because of maladjustment to a new social and economic environment. Their land resources consist of scattered parcels of grazing land of extremely limited value, rendered useless because of the lack of agricultural land needed for the production of winter feed. Opportunities of earning subsistence are practically absent in this area except during extremely short hay harvest periods in the summer. Their chances of receiving work are further diminished by their abnormally low social and economic level.

The serious deficient annual family income has been vitally supplemented in the past by the gathering of acorns and other wild products, as well as hunting and fishing. This important source of

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(4) See Table I in Appendix (A)



...the fact that the ...

[illegible]



subistence, however, is rapidly decreasing as the result of a trend toward more intensive use of natural resources by livestock, lumber, wildlife, and recreation interests. Wild game programs involving the propagation and regulation of the game has had two adverse affects on the Indian population. The first arises from the increase in the total stock of game animals that consume acorns and other wild products. Acorns form an important, and in many instances, vital part of many Indian groups' daily diet. Any increase of game animals therefore decreases such supply of food available to the Indians. Secondly, strict protection and regulation of game in this region has made it impossible for the Indians to secure food from this source as in the past. Since no Indian reservation exists in this region capable of producing game, Indians are forced to comply with the State game laws if they secure game. The purchase of hunting permits is almost prohibitive to Indian households with little, if any, cash income. Similarly, exploitive depletion of the fish in streams has led to strict regulation and protection of the remaining supply for the benefit of the sportsmen but reducing the Indian food supply from this source. Over-grazing and logging have further decreased the supply of wild products on which the Indians have depended heavily for their subsistence.

#### Lookout Area

#### General Agricultural Pattern

Irrigated Acreage - Approximately 23,000 acres consisting of

[illegible]



meadow lands, reclaimed swamps, and other lands are now irrigated by diverting the annual flow from creeks and rivers with inexpensive and inefficient diversion canals. At present the water supply is deficient for areas now under irrigation because of low flow during the growing season. (1)\*

Irrigable acreage - A net irrigable area of 30,000 acres is located within reach of a gravity canal system from a possible storage site in Round Valley. An additional 2000 acres are irrigable from diversion on the Pit River above Lookout. An adequate supply of water would be available for the irrigated and irrigable lands if proper storage and distribution structures were constructed.

Irrigation Districts - Various proposals for the organization of an irrigation district have been discussed, but recent developments are not known. Past and present organizational proposals consider the storage of water in the Round Valley reservoir site. Any organization of a district will affect all irrigated and irrigable lands in the area. (X)\*

Non-Irrigated Acreage - Owing to either cost or present deficient supply of water in the valley, approximately 40,000 acres are dry farmed. (1) \* Hazards of dry farming in this area, as in the Alturas-Likely area, include: short growing season, (damaging frosts every month of the year), inadequate and uncertain rainfall, and high elevation.

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\* See Bibliography

and other lands are now irrigated by  
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and inefficient irrigation systems, as shown on attached map, is the  
cause of the great loss of water and the consequent loss of the  
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above said assets shown (including those which are at the time)  
approximately one million dollars and the balance.



## Indian Aspects of the Lookout Area

Indian Land Resources - For Indians in this area, the U. S. Indian Service purchased a 10-acre and 40-acre plot for homesites. These are located on practically desolate rock strewn lava plateaus. The State legislature, under pressure to "do something" for these Indians, set aside an additional 360 acres of scab-land for them. (5) (VI)\* Besides these three desolate homesite tracts, Indians have numerous allotments and homesteads in the surrounding hills of at best extremely limited grazing value. At present all but two allotments are idle or used free by white livestock men. (II)\*

Indian Population - At the time of the first settlement, there resided a large number of Indians in this valley. Since that time the Indians have greatly decreased in numbers. In a recent report, Dr. Gordon McGregor places the number at approximately 19 households with a total of 74 Indians. (II)\*

Two households live near the town of Bieber, five have allotments around Adin on the east side of the valley, one on a white man's ranch, six close to the rancheria at Lookout, and five on the rancheria. Only one house-hold can be said to be without serious need. This population of 74 Indians existing in serious need, constitutes an element of the total population far below the subsistence level of the lowest income group of the non-Indian population. It is doubted if the value of household income, in the form of cash and cash value of food products outside of acorns, will average \$50 per year. A short hay season offers

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\* See Bibliography

(5) See Tables I and II in Appendix (A)





the only opportunity for a wage income to a number of able-bodied members of households. A smaller number get additional work on hay and livestock enterprises. With their limited possible wage income and little or no relief aid, heavy dependence is laid on the rapidly decreasing supply of wild products.

Water Rights - Mr. Charles Foster Corporation purchased all water rights in the Fall River Valley and holds the water right in all areas.

General Character of Area - This area lies in Shasta County in the narrow Fall River Valley. Livestock and complementary grain and hay enterprises exist here as in the Lookout and Alturas-Likely area. A total of 50,000 acres of arable land are to be found in the Fall River Valley. (Sandy loams and adobe are the predominant soil types with about one-half the arable area underlaid at a depth of two feet with a hardpan). (XI)\*

General Agricultural Pattern

Irrigated Acreage - Only a small acreage is irrigated by natural overflow of the river on former swamp lands or by pumping. Small areas are sub-irrigated. Grain, grain hay, wild hay, and alfalfa are the major crops. (XI)\*

Irrigable Acreage - An extensive acreage of irrigable land exists in this valley. Fall River Valley, however, is a flat plain, tilted on a northerly direction with a slope of three feet per mile toward the source of Fall River, which flows southerly. The result is that irrigation is impossible by diversion from the Fall River, except

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\* see bibliography

[illegible][illegible]

overlapping of the river on former map shown on its right. This  
cross the right-hand side, which was also  
the major river. (211)

1771 - The river is an extensive network of lowlands and alluvial  
in this valley. The river valley, however, is a flat plain, filled  
with a continuous deposit of silt and clay from the river.  
The source of the river, which flows from the north, is the  
Laramie is composed of deposits from the Hill River, which



for a small area in the northern part of the valley where land lies one foot to three feet below the level of the river. Water may be pumped from underground with lifts from 10 to 20 feet, according to the location within the valley. (X)\*

Water Rights - Mt. Shasta Power Corporation purchased all riparian lands in Fall River Valley and based its water right to all unappropriated water in Fall River on such property rights when it developed power near the junction of the Pit and Fall rivers in 1922. Recent efforts of Fall River land owners to organize an irrigation district to pump water from Fall River were opposed by the power corporation. The courts, in ruling in favor of the power corporation, asserted that no unappropriated water remains in Fall River. (X)\* If irrigation should be contemplated on purchased lands, it would be advisable to see if underground waters are available for appropriation in this valley. *Scattered Indian Culture*

Non-Irrigated Acreage - A slightly longer growing season and higher rainfall make this area the most favorable dry farm area of the three areas herein discussed.

#### Indian Aspects in the Fall River Area

Indian Land Resources - No Indian rancherias or reservations exist here. Allotments and homesteads issued to Indians are scattered through out the mountains. Certain Indians have sold their allot-

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\* See Bibliography

[illegible]

in this matter.

It is further stated in the report that the investigation was conducted in accordance with the provisions of the Act of March 3, 1907, and that the results of the investigation are set forth in the report.

The report is divided into two parts, the first of which contains a general statement of the facts and circumstances of the case, and the second of which contains a detailed statement of the results of the investigation.

The report is submitted to the Senate and the House of Representatives, and is published by the Government Printing Office.

1. The first of these is the fact that the Commission has not yet received any information from the Government of the United States regarding the activities of the Committee for the Liberation of the People of the East (CLPE) in the United States.

[illegible]



ments through the Indian office and have acquired a small acreage of arable land.

Indian Population - There are 15 households totaling 41 individuals living in the Fall River Valley.<sup>(6)</sup> Five households are located near the small town of Day on the east side of the valley, nine on the west side of the valley, and one near the town of McArthur. This group of 15 households is industrious and shows evidence of a desire to raise its economic status. In their efforts to do so, these Indians were aided by money secured from the sale of allotments to the Pacific Gas and Electric Company, using the money to buy fair agricultural land. Six households of 25 members are located near the town of Fall River Mills. This small group secures a precarious subsistence from wood cutting and from other work during the short harvest season.

#### Scattered Indian Groups<sup>(7)</sup>

Near the village of Big Bend are located 10 households with 43 members. These Indians have access to mountainous allotments and to a Federally purchased 80 acre rancheria, worthless for agricultural purposes. This group is in an area offering no possibilities for wage work and is maintained almost entirely by meager relief aid.

Montgomery Creek rancheria, a worthless 72 acre plot purchased for Indians in this area, is occasionally occupied by two households existing

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(6) See Table I in Appendix

(7) See (III) in Bibliography.

Wanted: Good & reliable men for white collar and general work.

10. The following information is for your information only. It is not to be used for any other purpose.

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also, "understand" in such a way that you can "understand" what is said to you.

There is no evidence that the defendant is involved in any other criminal activity.

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44. The first two steps are the same as in the previous example.

\* The following names of persons should be added:

Page 100

THE UNIVERSITY OF CHICAGO PRESS



on acorns and what relief work they are given.

Along Mat Creek and in the town of Burney are located 10 households of 62 individuals. All live on allotments. Only two men have regular employment. Six men work on relief projects part of the year and work on ranches during the short summer. One man is permanently on relief and supports a family of nine on \$35 per month.

In Nixie Valley eight families with 25 members are existing under the most tragic and poverty stricken conditions of any of the Pit River groups. This small group is the remnant of one of the largest and most powerful bands in the Pit River country. The isolated location 30 miles from a highway, and the fact that they are obliged to live on non-arable land, limit the means of subsistence of these Indians to what work a few of them may get during the summer on the one ranch in the area. County aid has helped several but other aged and needy Indians have never been given consideration.

the first of these is the fact that the population of the United States is increasing at a rapid rate.

As individuals, all live on a system of exchange. Only two can have regular employment. The man who is not employed must find some other means of support. The man who is employed must find some other means of support. The man who is not employed must find some other means of support. The man who is employed must find some other means of support.

The second of these is the fact that the population of the United States is increasing at a rapid rate. The third of these is the fact that the population of the United States is increasing at a rapid rate. The fourth of these is the fact that the population of the United States is increasing at a rapid rate. The fifth of these is the fact that the population of the United States is increasing at a rapid rate. The sixth of these is the fact that the population of the United States is increasing at a rapid rate. The seventh of these is the fact that the population of the United States is increasing at a rapid rate. The eighth of these is the fact that the population of the United States is increasing at a rapid rate. The ninth of these is the fact that the population of the United States is increasing at a rapid rate. The tenth of these is the fact that the population of the United States is increasing at a rapid rate.

The eleventh of these is the fact that the population of the United States is increasing at a rapid rate. The twelfth of these is the fact that the population of the United States is increasing at a rapid rate. The thirteenth of these is the fact that the population of the United States is increasing at a rapid rate. The fourteenth of these is the fact that the population of the United States is increasing at a rapid rate. The fifteenth of these is the fact that the population of the United States is increasing at a rapid rate. The sixteenth of these is the fact that the population of the United States is increasing at a rapid rate. The seventeenth of these is the fact that the population of the United States is increasing at a rapid rate. The eighteenth of these is the fact that the population of the United States is increasing at a rapid rate. The nineteenth of these is the fact that the population of the United States is increasing at a rapid rate. The twentieth of these is the fact that the population of the United States is increasing at a rapid rate.



LIMITATIONS ATTACHING TO TENTATIVE PROPOSAL  
TO REHABILITATE THE PIT RIVER INDIANS

1. Pit River Area - even though...

It is here recommended that details of the proposed plan should be worked out with the careful consideration of the following limitations:

1. Rehabilitation program will aid only small part of needy Indians

The most important limitation of the proposal is that it proposes to include but a small part of the total population in need. Approximately 30 households are expected to be aided.

The limited funds that are to be made available for land purchases and the high cost of establishing livestock units in this area may make it impossible to aid but a few households if such livestock units are launched in a manner that reasonably assures success.

2. Rehabilitation program will affect only small number of needy Indians

A 50 head livestock unit requires a large capital investment, a large production credit fund, and offers but small and uncertain returns per dollar invested.

Capital Investment Required <sup>(8)</sup>

	<u>Per Household</u>		<u>For 30 Households</u>	
	<u>Acreage</u>	<u>Value</u>	<u>Acreage</u>	<u>Value</u>
Range Land	1200	\$6000	36,000	\$180,000
Agricultural Land	40	1200	1,200	36,000
Improvements and Equipment		800		24,000
Stock		1500		45,000
Total		\$9500		\$285,000
Production Credit (1½ years)		600		18,000
Total		\$10,100		\$303,000

(8) See Appendix (C) for basis of computation.

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The following items were found in the box:

all other Maxwell equations. The book could not have been

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

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Customer's copy		Accountant's copy		
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3. Pit River area over-grazed - Even though sufficient capital is available for the initial investment and production credit, the problem exists of securing the necessary types of land for a relatively sound livestock enterprises. The grazing and agricultural areas are now fully utilized. Over grazing is prevalent and the grazing resources are on the decline. Modoc County is estimated to be 25 per cent over-stocked. Even though some operators may be removed from this area through the purchase of their lands, stock for the new enterprises will, to the extent of 1500 head, be imported into this area from other regions. This will aggravate the over-grazed condition, seriously impairing range productivity of this area and possibly arousing serious conflict with other interests.

4. Experience and ability to operate a livestock unit lacking - Even if sufficient capital is made available and the problem of over-grazing is successfully handled, the problem of setting up approximately 30 livestock enterprises, operated and managed along reasonably efficient lines, will be difficult if impossible to solve without a long period of education. If the enterprises are to have even a reasonable chance to succeed, skill and experience in management and handling all aspects of the livestock enterprises are required. Whereas some Indians are now capable of performing some of the tasks required in a livestock

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enterprise, they would have to depend heavily on high priced talent to perform the tasks required for efficient and successful operation. The proposed livestock units will be forced to choose between paying for high priced management and supervision, both of which will reduce the benefits accruing to the Indian household.

5. Livestock Enterprises Hazardous - The hazards of livestock production in this area are great. New and small livestock enterprises are particularly in danger. Besides major hazards that may be expected, such as sever winters with their heavy stock losses, dry years with their high feed costs, and period of low beef prices, there are also the following ever-present dangers: (9)

- a. Dry farm hay production uncertain and costly - Production of dry farmed grain hay is hazardous even under the best conditions. Reasons for this are: High elevation, short growing season (average of 70 days, but killing frosts may be expected every month of the year), and a meager and uncertain rainfall. In this area, the shallow, leaching, or

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(9) A survey in 1931, states about this area: "Under the present system of livestock production, the smaller ranches have proved unprofitable and have gradually been absorbed by the larger." (VIII and V. of the Bibliography).

enterprise, they would have to depend heavily on high priced talent to perform the tasks required for efficient and successful operation. The proposed livestock units will be forced to choose between paying for high priced management and supervision, both of which will reduce the profits accruing to the Indian household.

2. Livestock Enterprises - The kinds of livestock production in this area are great. New and small livestock enterprises are particularly common. Besides major herds that may be expected, such as sever winters with their heavy stock losses, dry years with high feed costs, and periods of low feed prices, there are also the following over-present dangers: (2)

a. Dry years have production uncertain and costly - Production of dry farmed grain hay is hazardous even under the best conditions. Reasons for this are: High elevation, short growing season (average of 70 days, and killing frosts may be expected every month of the year), and a meager and uncertain rainfall. In this area, the shallow, leaching, or

(3) A survey in 1911, states about this area: "Under the present system of livestock production, the smaller ranches have multiplied and have gradually been absorbed by the larger." (VIII and V. of the Bibliography).



alkali accumulating type of soils are dominant and make dry farming even more difficult. (IV)\*

b. Production of irrigated hay affected by deficient water

supply - Production of meadow and alfalfa hay, essential for winter feed for livestock, is limited because of the water supply and soil conditions. Irrigable soils are nearly fully utilized on the basis of the present available water. Periods of water shortage result in a shortage of hay for winter feeding. (I)\*

6. Only a Low and Uncertain Income per Dollar Invested (10) - If all the aforementioned obstacles are overcome, i. e. high capital requirement per household, present and possible over-grazing, lack of experienced and able operators, and hazards inherent in livestock enterprises or existing because of physical or climatic conditions, only a net management income of approximately \$52 per year can be expected per unit. This can be raised to approximately \$279 per year if Indians do the major portion of the work, with an approximate total required investment of \$10,000 per household. This income may meet the total annual household requirements for some of the households. For the major number, this income would be insufficient. Labor opportunities offering possibilities of earning income to supplement the income from the livestock enterprises are extremely limited. (11) On the part of the

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\* See Bibliography

(10) See Appendix (C)

(11) A Survey in 1931 of this area states: "On some of the larger cattle ranches, men are employed the year round, though as a rule little outside labor is hired except during hay time. It is a common practice for owners of small ranches to exchange labor and equipment during hay harvest season."

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change labor and equipment during the harvest season.



latter households, therefore, there will be a tendency to use too much of the gross income from the livestock enterprise for subsistence purposes, with the eventual "consumption" of the livestock enterprise by the Indians.

7. Insufficient Data on Indian Households in the Area - It must be

admitted at the outset that insufficient basic information is available regarding the Indian households in this area, such as may be brought out by a household study. The need, ability, and desires of each household cannot be estimated at present on a comparable basis. The selection of certain households for inclusion in the rehabilitation program, unless more detailed study is done, will therefore result in a number of failures due entirely to this factor.

- a. Different capabilities, management, and equipment.
- b. Current status of the population in the area; and possible
- c. Status of the population in the general

8. A Survey of the Indian Households in the Area

A study of the Indian households in the area should be made of the area in order to determine the status of the population in the area and to determine the status of the population in the area.

a. Survey of the Indian Households in the Area

(1) Survey of the Indian Households in the Area





## RECOMMENDATIONS

Study of the general economy of the area, the Indians and their resources, the proposed rehabilitation program and its limitations, and the land use problems provide a basis for offering certain recommendations. These are set down in the following:

1. Proposal Should be Soundly Launched and Provide for Indian Participation - In the development of the details of the tentative proposal for rehabilitation of Indians in this area, by launching them on to small stock enterprises, adequate provisions should be made for:
  - a. Active participation of Indians in the program for educational and financial reasons.
  - b. Efficient supervision, management, and operation.
  - c. Closer study of the population to be affected and possible effects of the proposal on the general economy.
2. A Survey Should Determine Possible Means of Increasing Stable Annual Income - A close study should be made of the Pit River area and the Indian population with the view in mind to adjust the population to their present economic and social environment with minimum expenditure of public funds. Such a study should bring out the nature of:
  - a. Means of increasing annual income through:
    - (1) Land acquisition - Land should be acquired through exchange of grazing land to block up present scattered grazing resources; by purchasing agricultural land for the production

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of supplementary feed for livestock and for subsistence of part-time farms.

- (2) Coordination of Multiple Uses of Land - The administration program of Indian land resources should be coordinated with administrative programs of other agencies exercising jurisdiction over natural resources in the Pit River area. Such coordination would encourage the development of sound multiple use programs for all land resources in this region, thus producing maximum total benefits and creating additional employment of which Indians can partake. The U. S. Forest Service, with its conservation and development programs for grazing, timber and recreation, may no doubt extend its programs to include present and future Indian land resources if assured of whole-hearted cooperation. The U. S. Biological Survey and the California State Fish and Game Commission are studying fish and game with a view to developing or enlarging fish and game programs. These also may consider extending their conservation and development programs over Indian resources if assured of cooperation. The Indians to fill their needs for food and clothing.

- (3) Development of Indian Industries - It has been pointed out that labor opportunities are extremely limited and when present are available for only a short period. This forces into idleness the entire Indian population for a large portion of each year. The recreational resources, if fully

[illegible]

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and the program on Inside, Outside and Future India.

and that over time it is likely to become a more significant factor in the future.

For labeling used and 25 + equivalent applied to specimens. (18)

the first opportunity we actually visited and then  
around the middle in only a short season. This town  
was situated on the left bank of the river and a large  
one on the right. The commercial movement is still



developed, can be made to contribute to the welfare of the Indian population. Indians could be encouraged through education and aid, to fill some of the needs of the visiting recreation population by developing hunting and fishing preserves; hiring out as guides; and by the development, preservation, and expansion of Indian arts and crafts.

- b. Cultural Adjustment - It will be difficult to bring about a cultural adjustment without first effectively attacking the present abnormally deficient subsistence of the Indian population. Lifting of the level of Indian subsistence to at least the lowest level of the non-Indian population, if accompanied by an educational and educational guidance program, offers the best preliminary step in cultural adjustment of this native population to a new social and economic environment. Such an adjustment deemed necessary here, is not an idealistic one. Only such an adjustment is desired that will enable these Pit River Indians to adjust their culture to non-Indian social and economic philosophies, to the extent of enabling these Indians to fill their minimum basic human needs and desires in a manner less socially and economically undesirable than their present efforts.

3. Relief Aid to Indian Aged and Dependents - A social worker should be assigned to the area for the purpose of securing every benefit of the Social Security law to which needy Ind-

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ian households are entitled. Filling of such temporary needs can play a vital part in the initial stages of an effort to raise and stabilize at a higher level, the general social and economic status of the Pit River Indians.

4. The Complexity of the Problem Requires a Comprehensive Rehabilitation Program - It is felt that the problem of rehabilitating the Indian population in this area is a complex one and will prove expensive. Success of efforts to alleviate and stabilize conditions here will require attacking the problem along a broad front by every possible means. "Crabstaking" a few households to a small livestock enterprise is a beginning, but the effort will be ineffective and unsuccessful unless the moral, physical, and mental level of the few Indians that may take part in the proposed enterprises, and other needy, is raised appreciably.
5. Any Rehabilitation Proposal Should Consider Existing Interests and Jurisdictions - Consideration should be given the economic structure of the area in planning the details of any Indian rehabilitation program. The possible real effects of a government land purchase program that may take lands from the tax rolls should be ascertained before "hasty" conclusions are drawn by other public or private interests. The nature of the policy adopted for the administration of any newly purchased and present extensive acreage of Indian allotments and homesteads in the grazing and lumber areas, should be worked out in

The Committee has considered the various proposals for the establishment of a new institution of higher learning in the city of New York, and has concluded that the most desirable course of action is to establish a new university in the city of New York, and to provide for its support by the State of New York.

2. The Committee on the Establishment of a New University in the City of New York

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complete coordination with other governmental agencies which are now exercising jurisdictions over natural resources in this area. These agencies are now attempting to adjust administrative conflicts that offer obstacles to effective multiple use of land resources in this area.

These conditions, by military and non-military invasion of this territory and by subsequent complete appropriation of Indian resources and the destruction of the Indian social and economic structure of Indian life.

The present supply of wild products was rapidly decreasing. Because the supply of wild products (beaver, bison, etc.) the decreasing supply of wild products as a result of the destruction of the Indian social and economic structure of Indian life. The present supply of wild products was rapidly decreasing. Because the supply of wild products (beaver, bison, etc.) the decreasing supply of wild products as a result of the destruction of the Indian social and economic structure of Indian life. The present supply of wild products was rapidly decreasing. Because the supply of wild products (beaver, bison, etc.) the decreasing supply of wild products as a result of the destruction of the Indian social and economic structure of Indian life.

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At present, the only way to get the most out of the system is to use the system as a whole. The system is designed to be used as a whole, and the only way to get the most out of it is to use it as a whole. The system is designed to be used as a whole, and the only way to get the most out of it is to use it as a whole.



## CONCLUSION

Approximately 500 Pit River Indians reside largely within the Pit River Basin. All reports based on field studies bring out in clear relief the extremely demoralized economic and social conditions of these Indians. Such conditions have been brought about, these reports indicate, by military and non-military invasion of this territory and by subsequent complete appropriation of Indian resources without compensation. Invasion and appropriation have combined to undermine and virtually destroy the former social and economic structure of Indian life.

Without productive land resources, Indians have depended heavily on the meager supply of wild products now rapidly decreasing. Reasons for this decrease are: the decreasing acreage, available to Indians, supplying wild products (acorns, berries, etc.); the decreasing supply of wild products on lands now available to Indians because of a more intensive use of lands for grazing, recreation, and other uses; the increasing competition for acorns and wild products arising from present wild game conservation programs aiming at heavier stocking of this area with deer and antelope; and the decreasing supply of fish and game because of the exploitive nature of sportsmen and the strict management of fish and game for the benefit of the sportsmen at the expense of the native population.

A small number of the total Indian population have been able to secure labor income from the short summer harvest season. This income, however,





is not only meager but very uncertain.

The decreasing supplies of wild products, together with the absence

of productive land resources and labor opportunities, are gradually necessitating heavier and heavier relief subsidies. The scattered

and isolated nature of needy Indian households has in the past concealed, and is at present concealing, the extreme need of this en-

tire Indian population. To postpone the consideration of the social

and economic maladjustment of 500 Indians because their real need is

not generally known cannot be justified on any grounds. Delay would

not only have serious physical, mental, and moral effects on the

Indian population, but would also affect directly and indirectly,

socially and economically, non-Indian welfare.

Efforts have been made to stem the increasingly downward trend of the Indian subsisting level, but such efforts have been small in comparison to the serious need. In a large measure such efforts have been aimed at alleviating in a small way the effects of the serious economic and social conditions rather than attacking the basic causes of them.

Alletting public lands to Indians, and purchasing small plots of non-agricultural land, for instance, were aimed at providing homesites for Indians from which they could not be driven off. This plan failed to fill the need, however, for providing a means of producing or of earning a bare existence.

The history of the United States is a story of the growth of a nation from a collection of small, isolated colonies to a great, unified republic. The early years of the settlement of the eastern coast were marked by the struggle for survival against a hostile environment and the threat of European competition. As the colonies grew in number and size, they began to develop a sense of common identity and purpose. The struggle for independence from Britain was a natural outgrowth of this growing sense of national consciousness. The American Revolution was a great turning point in the history of the world, for it established the principle that a people have the right to govern themselves.

The American Revolution was a great turning point in the history of the world, for it established the principle that a people have the right to govern themselves. The new nation was born, and it was a nation that was destined to grow and to prosper. The American people were determined to build a government that would protect their rights and promote their happiness. They were determined to create a nation that would be a model for the rest of the world.

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A tentative proposal to aid part of this Indian population through the medium of small livestock enterprises is a step toward adjustment of the basic problem of deficient annual income. A broader program is needed, however, which will provide for supplementing the benefits of the proposed livestock enterprises and for alleviating the serious income deficiency of a greater portion of the needy population in the Pit River Basin. Such a program would of necessity carefully consider both Indian and non-Indian land use problems and programs. Coordination of Indian and non-Indian programs is made necessary by the existence of interrelated problems arising from the limited resources in this area and from the existence of Indian and non-Indian populations socially and economically interdependent.

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# APPENDIX A

## TABLE I

### Pit River Indian Population<sup>o</sup>

Approximate Location	Number Households	Number Individuals
<b>1. Alturas-Likely area:</b>		
Alturas	14	68
Likely Rancheria	11	59
Hot Springs-Camby	6	21
<b>Total for area</b>	<b>31</b>	<b>148</b>
<b>2. Lookout area:</b>		
Bieber	2	?
Adin alluvium	5	?
Near Lookout Rancheria	6	?
Lookout Rancheria	5	?
Other	1	?
<b>Total for area</b>	<b>19</b>	<b>74</b>
<b>3. Fall River Area:</b>		
Fall River Valley nr. Day	5	?
Fall River on west side	9	?
Near McArthur	1	?
Fall River Mills		
<b>Total for area</b>	<b>21</b>	<b>64</b>
<b>4. Scattered Groups:</b>		
Big Bend	10	43
Montgomery Creek	2	—
Along Hat Creek and Burney	10	62
Dixie Valley	9	25
<b>Total for area</b>	<b>30</b>	<b>136</b>
<b>Grand total for Pit River area</b>	<b>71</b>	<b>422</b>

<sup>o</sup>See II in Bibliography

# A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1898

Total for year

Amount paid

Amount received

Amount paid

Total for year

100  
50  
25  
125

10  
11  
2  
23

Amount paid  
Amount received  
Total for year

Total for year

1  
2  
3  
4  
5  
10

1  
2  
3  
4  
5  
15

Amount paid  
Amount received  
Total for year

Total for year

1  
2  
3  
4  
5  
10

1  
2  
3  
4  
5  
15

Amount paid  
Amount received  
Total for year

Total for year

10  
5  
2  
1  
10  
20

10  
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2  
1  
10  
20

Amount paid  
Amount received  
Total for year

Total for year

Total for year

Total for year



# APPENDIX A

## TABLE II

### Pit River Indian Land Resources\*

Approximate Location	Manner of Acquisition	Acreage	Agri. Value Little or no
<b>1. Alturas-Likely area:</b>			
Alturas Rancheria	Purchased by Govt.	40	40 acres (fair)
Alturas Camp	" " Indians	3	3 "
Likely Rancheria	" " Govt.	40	40 "
Numerous allotments <sup>12/</sup>	Allotted	?	all
<b>2. Lookout area:</b>			
Lookout Rancheria	Purchased by Govt.	50	50 acres
Misc. lands	Set aside by State	360	360 "
Numerous allotments	Allotted	?	all
<b>3. Fall River area:</b>			
Numerous allotments	Allotted	?	most
<b>4. Scattered Groups:</b>			
Big Bend Rancheria	Purchased by Govt.	80	80 acres
Montgomery Creek Ranch	" " "	72	72 "
Numerous allotments	Allotted	?	all

\* See IV in Bibliography

<sup>12/</sup> A map is now in the course of preparation that will establish the location and character of Indian Rancherias, allotments and other Indian lands and will bring out the relationship between such lands and the physical and economic pattern in this area.

# APPENDIX

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## APPENDIX B

Assuming that 50 head of livestock comprises the proposed household enterprise, and that such a herd will be composed of an assortment of stock generally carried by established enterprises in this area, the enterprise will contain 40 animal units.<sup>(VIII)\*</sup> The capital investment, production credit required, and possible income per household is set forth below.

### Capital Investment

#### Land

Range Land Required - On the basis of U. S. Forest estimates the general carrying capacity of range land in this area will vary between 20 and 50 acres per animal unit for the six months grazing season. Each household with 40 animal units (50 head of cattle) will require from 800 to 2000 acres of grazing land. <sup>(VIII)\*</sup>

Agricultural Land Required - Agricultural acreage required will be dependent on: The location in the Pit River area, the physical quality of the land, and whether there is sufficient irrigation water available. In the Alturas-Likely and Lookout areas irrigated agricultural land will produce, on the average, from one to two tons of grain, mixed, meadow, or alfalfa hay per acre. Dry farming in these two areas is comparatively unimportant and is restricted to the production of grains. Dry farm land, when used for hay production, yields one-half to three fourths of a ton per acre. <sup>(I)\*</sup>

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\* See Bibliography

ARTICLE II

Section 1. The land of the State of Texas, hereinafter referred to as the "State Land," shall be managed and disposed of by the State Land Office, which shall be created by the Legislature. The State Land Office shall be a part of the Executive Department of the State, and shall be subject to the supervision and control of the Governor. The State Land Office shall have the honor and privilege of the Great Seal of the State.

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On the basis of winter feed requirements of one and one-half tons of hay per animal unit for the six months feeding period, 40 acres of the highest quality irrigated land with sufficient irrigation water available, is required per household. If sufficient water is not available for surface or sub-surface irrigation of crop land, making dry farming necessary for hay production, a total of 80 acres of the highest quality dry farm land will be required per household.

Total land requirements for 30 households

Grazing acreage: 24,000 to 60,000 acres.

Agricultural acreage: High quality irrigated land (40 acres per household) - 1200 acres of high quality dry farmed land (80 acres per household) - 2400 acres.

Total cost of required land - Irrigated land ranges in value in this area from \$20 to \$40 per acre. Dry farm grain and hay land ranges in value from \$10 to \$20 per acre. Range land may vary from \$5 to \$10 per acre. Total costs may be estimated as follows:

	Cost Selected	Per Household		Total for 30 Households	
		Acreage	Value	Acreage	Value
Grazing land	<sup>13/</sup> \$5 per ac.	1200	\$6000	36,000	\$180,000
Irrigated "	\$30 " "	40	1200	1,200	36,000
Total Costs			\$7200		\$216,000

Costs for land would be the same if dry farm land was substituted for irrigated land as twice the acreage would be required at half the cost.

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<sup>13/</sup> The selected price of \$5 per acre is conservative. It is doubted if suitable grazing land can be purchased for less than \$10 per acre.

and that the only way to prevent the spread of the disease is to isolate the infected individuals. The only way to prevent the spread of the disease is to isolate the infected individuals.

1999

1990-1991: 100% of the population had access to electricity.

• 1990-1991, 1992-1993, 1994-1995, 1996-1997, 1998-1999, 2000-2001, 2002-2003, 2004-2005, 2006-2007, 2008-2009, 2010-2011, 2012-2013, 2014-2015, 2016-2017, 2018-2019, 2020-2021, 2022-2023, 2024-2025, 2026-2027, 2028-2029, 2030-2031, 2032-2033, 2034-2035, 2036-2037, 2038-2039, 2040-2041, 2042-2043, 2044-2045, 2046-2047, 2048-2049, 2050-2051, 2052-2053, 2054-2055, 2056-2057, 2058-2059, 2060-2061, 2062-2063, 2064-2065, 2066-2067, 2068-2069, 2070-2071, 2072-2073, 2074-2075, 2076-2077, 2078-2079, 2080-2081, 2082-2083, 2084-2085, 2086-2087, 2088-2089, 2090-2091, 2092-2093, 2094-2095, 2096-2097, 2098-2099, 2100-2101, 2102-2103, 2104-2105, 2106-2107, 2108-2109, 2110-2111, 2112-2113, 2114-2115, 2116-2117, 2118-2119, 2120-2121, 2122-2123, 2124-2125, 2126-2127, 2128-2129, 2130-2131, 2132-2133, 2134-2135, 2136-2137, 2138-2139, 2140-2141, 2142-2143, 2144-2145, 2146-2147, 2148-2149, 2150-2151, 2152-2153, 2154-2155, 2156-2157, 2158-2159, 2160-2161, 2162-2163, 2164-2165, 2166-2167, 2168-2169, 2170-2171, 2172-2173, 2174-2175, 2176-2177, 2178-2179, 2180-2181, 2182-2183, 2184-2185, 2186-2187, 2188-2189, 2190-2191, 2192-2193, 2194-2195, 2196-2197, 2198-2199, 2200-2201, 2202-2203, 2204-2205, 2206-2207, 2208-2209, 2210-2211, 2212-2213, 2214-2215, 2216-2217, 2218-2219, 2220-2221, 2222-2223, 2224-2225, 2226-2227, 2228-2229, 2230-2231, 2232-2233, 2234-2235, 2236-2237, 2238-2239, 2240-2241, 2242-2243, 2244-2245, 2246-2247, 2248-2249, 2250-2251, 2252-2253, 2254-2255, 2256-2257, 2258-2259, 2260-2261, 2262-2263, 2264-2265, 2266-2267, 2268-2269, 2270-2271, 2272-2273, 2274-2275, 2276-2277, 2278-2279, 2280-2281, 2282-2283, 2284-2285, 2286-2287, 2288-2289, 2290-2291, 2292-2293, 2294-2295, 2296-2297, 2298-2299, 2300-2301, 2302-2303, 2304-2305, 2306-2307, 2308-2309, 2310-2311, 2312-2313, 2314-2315, 2316-2317, 2318-2319, 2320-2321, 2322-2323, 2324-2325, 2326-2327, 2328-2329, 2330-2331, 2332-2333, 2334-2335, 2336-2337, 2338-2339, 2340-2341, 2342-2343, 2344-2345, 2346-2347, 2348-2349, 2350-2351, 2352-2353, 2354-2355, 2356-2357, 2358-2359, 2360-2361, 2362-2363, 2364-2365, 2366-2367, 2368-2369, 2370-2371, 2372-2373, 2374-2375, 2376-2377, 2378-2379, 2380-2381, 2382-2383, 2384-2385, 2386-2387, 2388-2389, 2390-2391, 2392-2393, 2394-2395, 2396-2397, 2398-2399, 2400-2401, 2402-2403, 2404-2405, 2406-2407, 2408-2409, 2410-2411, 2412-2413, 2414-2415, 2416-2417, 2418-2419, 2420-2421, 2422-2423, 2424-2425, 2426-2427, 2428-2429, 2430-2431, 2432-2433, 2434-2435, 2436-2437, 2438-2439, 2440-2441, 2442-2443, 2444-2445, 2446-2447, 2448-2449, 2450-2451, 2452-2453, 2454-2455, 2456-2457, 2458-2459, 2460-2461, 2462-2463, 2464-2465, 2466-2467, 2468-2469, 2470-2471, 2472-2473, 2474-2475, 2476-2477, 2478-2479, 2480-2481, 2482-2483, 2484-2485, 2486-2487, 2488-2489, 2490-2491, 2492-2493, 2494-2495, 2496-2497, 2498-2499, 2500-2501, 2502-2503, 2504-2505, 2506-2507, 2508-2509, 2510-2511, 2512-2513, 2514-2515, 2516-2517, 2518-2519, 2520-2521, 2522-2523, 2524-2525, 2526-2527, 2528-2529, 2530-2531, 2532-2533, 2534-2535, 2536-2537, 2538-2539, 2540-2541, 2542-2543, 2544-2545, 2546-2547, 2548-2549, 2550-2551, 2552-2553, 2554-2555, 2556-2557, 2558-2559, 2560-2561, 2562-2563, 2564-2565, 2566-2567, 2568-2569, 2570-2571, 2572-2573, 2574-2575, 2576-2577, 2578-2579, 2580-2581, 2582-2583, 2584-2585, 2586-2587, 2588-2589, 2590-2591, 2592-2593, 2594-2595, 2596-2597, 2598-2599, 2600-2601, 2602-2603, 2604-2605, 2606-2607, 2608-2609, 2610-2611, 2612-2613, 2614-2615, 2616-2617, 2618-2619, 2620-2621, 2622-2623, 2624-2625, 2626-2627, 2628-2629, 2630-2631, 2632-2633, 2634-2635, 2636-2637, 2638-2639, 2640-2641, 2642-2643, 2644-2645, 2646-2647, 2648-2649, 2650-2651, 2652-2653, 2654-2655, 2656-2657, 2658-2659, 2660-2661, 2662-2663, 2664-2665, 2666-2667, 2668-2669, 2670-2671, 2672-2673, 2674-2675, 2676-2677, 2678-2679, 2680-2681, 2682-2683, 2684-2685, 2686-2687, 2688-2689, 2690-2691, 2692-2693, 2694-2695, 2696-2697, 2698-2699, 2700-2701, 2702-2703, 2704-2705, 2706-2707, 2708-2709, 2710-2711, 2712-2713, 2714-2715, 2716-2717, 2718-2719, 2720-2721, 2722-2723, 2724-2725, 2726-2727, 2728-2729, 2730-2731, 2732-2733,

1. The first part of the report is a general statement of the purpose and scope of the study. It states that the purpose is to determine the effect of the new tax law on the income of individuals and that the scope is limited to the year 1964.

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THE UNIVERSITY OF CHICAGO PRESS

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## Improvements and Equipment

On the basis of recent cost estimates on livestock enterprises in this area, investments are deemed necessary for the following: Corals, buildings, improvements, equipment, feed, workstock, and dwellings. Value of these total approximately \$20 per animal unit (a conservative figure as these costs are based on a 549 animal unit enterprise). VIII\*

Total cost for these items will be approximately \$800 per household and \$24,000 for the 30 households.

## Stock <sup>14/</sup>

Investment in beefstock for the 50 head household livestock unit will require \$37.50 per animal unit based on 1935 values of cattle in this area. (VIII)\* This investment will approximate \$1500 per household or a total of \$45,000 for the 30 households.

## Total Capital Investment

<u>Item</u>	<u>Per Household</u>	<u>Total for 30 Households</u>
Land:		
Grazing	\$6,000	\$180,000
Agricultural	<u>1,200</u>	<u>36,000</u>
Improvements:		
and Equipment	800	24,000
Cattle	<u>1,500</u>	<u>45,000</u>
Total Capital Investment	\$9,500	\$285,000

\* See Bibliography

<sup>14/</sup> Cash outlay for cattle may be reduced because of the possibility of using livestock available from a livestock revolving loan fund created in other areas through the purchase of drought relief cattle. Cash outlay for grazing land may be slightly reduced as Indians now control thousands of acres of mountain land that may fill part of the need for grazing land. The usability of this land is doubtful because of its poor quality and scattered nature. A range inventory should be made of this land before it is included in a management plan,

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Approved for release by NSA on 08-28-2014 pursuant to E.O. 13526

Investment in equipment for the 1950-51 season was \$10,000.00. The total cost of the equipment was \$10,000.00. The total cost of the equipment was \$10,000.00. The total cost of the equipment was \$10,000.00.

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### Production Credit Required

Since it is not known just what type and age of livestock will comprise the proposed livestock enterprises, it is difficult to approximate the extent of production credit required. Recent efficiency studies in this area recommend that steers be marketed at two years of age. If the livestock loaned to the households comprises only mature breeding animals, two years production credit should be made available. If the initial herd comprises livestock of assorted ages, one full year's cost of operation should be available in the form of production credit. Part of the second year's cost of operation should also be available for efficient operation of the enterprises.

It is estimated that it costs approximately \$14.35 per year to carry one animal unit in this area. VIII\* This figured may be reduced, however, as one item of \$2.28 for interest on investment enters into the cost that may be eliminated or modified. Another item of range and pasture cost of \$3.09 may be reduced. The item of 48 cents per animal unit for taxes, insurance and miscellaneous may be modified. It is conservatively estimated that a minimum of \$10 per animal unit may be required for production credit per year with a possible two year period to be financed. Production credit needed on the above basis would be approximately \$400 per household or \$12,000 for the 30 households per year. If mature breeding stock are predominant in the 50 head livestock unit, \$800 per household will be required for a two year period and

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\* See Bibliography





\$24,000 will be required for the 30 households.

### Possible Income

Assuming that the 50 head initial herd of each household will comprise the assortment of livestock common in this area, such a herd will contain approximately 40 animal units. On the average a ratio exists of 2.1 animal units per cow or approximately 20 cows per household. VIII\* Calves raised, number 65 per cent of the number of cows, or 13 calves. This crop of 13 calves may be considered as the major source of animal income.

### Possible Income from Livestock Enterprise

	Per animal unit	For enterprise (40 animal unit)
Value of beef produced	\$ 15.67	\$ 626.80
Cost of production (VIII)	-14.35	-574.00
Management Income	\$ 1.32	\$ 52.80

It is possible to increase the management income in the case of the proposed enterprise by eliminating or modifying some of the items generally entered as costs. The income accruing to the household may approximate

the following:	Per animal Unit	For each enter- prise
Value of beef produced	\$ 15.67	\$ 626.80
Approximate costs	-8.69	-347.60
Possible income	\$ 6.98	\$ 279.20

\* See Bibliography

Financial Statement

Statement of the New York Public Library for the year ending June 30, 1911. The statement is divided into two parts, the first showing the income and the second showing the expenditures. The income is derived from various sources, including the sale of books, the interest on investments, and the contributions of individuals and organizations. The expenditures are for the purchase of books, the maintenance of the library building, and the salaries of the staff. The statement shows that the library has a surplus of \$1,000,000, which is to be used for the purchase of books and the improvement of the library building.

Income

Statement of the New York Public Library for the year ending June 30, 1911

For the year ending June 30, 1911, the income of the New York Public Library was \$1,000,000.

Income from sale of books	\$ 1,000,000	Income from sale of books	\$ 1,000,000
Income from interest on investments	100,000	Income from interest on investments	100,000
Income from contributions of individuals and organizations	100,000	Income from contributions of individuals and organizations	100,000
Total income	\$ 1,200,000	Total income	\$ 1,200,000

It is possible to estimate the income of the library for the year ending June 30, 1911, by adding the income from the sale of books, the interest on investments, and the contributions of individuals and organizations. The total income is \$1,200,000.

For the year ending June 30, 1911, the expenditures of the New York Public Library were \$1,200,000.

Expenditures for purchase of books	\$ 1,200,000	Expenditures for purchase of books	\$ 1,200,000
Expenditures for maintenance of the library building	100,000	Expenditures for maintenance of the library building	100,000
Expenditures for salaries of the staff	100,000	Expenditures for salaries of the staff	100,000
Total expenditures	\$ 1,400,000	Total expenditures	\$ 1,400,000

It is possible to estimate the expenditures of the library for the year ending June 30, 1911, by adding the expenditures for the purchase of books, the maintenance of the library building, and the salaries of the staff. The total expenditures are \$1,400,000.



The above possible income was approximated by the following manner:

	Per animal unit	For each enterprise
Management income	\$ 1.32	\$ 52.80
Plus Value of operator's labor	.79	31.60
Labor and Management Income	\$ 2.11	\$ 84.40
Plus Interest on Investment <u>15/</u>	2.28	91.20
	\$ 4.39	\$ 175.60
Plus hired labor that may be done by operator on beef enterprise	1.06	42.40
	\$ 5.45	\$ 218.00
Add value of labor in hay production that may be done by operator. <u>16/</u>	1.53	61.20
Total possible income	\$ 6.98	\$ 279.20

15/ May be added to income as no interest will probably be charged Indian operators.

16/ Total costs per acre for cultural and harvesting - \$3.53 for yields of 1.4 tons per acre. (Yields of land valued at \$30). Since it requires 40 acres of hay land for the enterprise of 40 animal units 1 acre - 1 a.u.

10/10/1941



## BIBLIOGRAPHY

- I. Pit River Investigations, 1933, Bulletin No. 41, Division of Water Resources, State of California, Department of Public Works.
- II. Report on the Pit River Indians, 1936, by Dr. Gordon McGregor, Assistant Field Anthropologist for the U. S. Indian Service (Unpublished).
- III. Reconnaissance Report on Modoc County California, by William R. Hatch and A. Graham Atkins, Land Use Planning Section, Land Utilization Division, Resettlement Administration, U. S. D. A., July 21, 1937.
- IV. California Land Use Adjustment Survey Report, 1936, prepared by Philip J. Webster and Adolph deFremery and staff of the Land Use Planning Section, Land Utilization Division of the Resettlement Administration:
  - (a) Location and Character of Indian Lands in California, 1937, prepared by Philip J. Webster and Jesse Garcia and staff of the Land Use Planning Section, Land Utilization Division, Resettlement Administration.
  - (b) Other valuable material in the form of numerous maps and reports were secured and used from the office of the California Unit of the Land Use Planning Section, Land Utilization Division of the Resettlement Administration. For further detail regarding these maps and reports see copy of the Inventory of Basic

CHAPTER I

1. The first principle of the theory of the mind is that it is a reflection of the world.

It is a reflection of the world in the sense that it is a picture of the world as it is, not as it might be.

It is a picture of the world as it is, not as it might be.

2. The second principle of the theory of the mind is that it is a reflection of the world.

It is a reflection of the world in the sense that it is a picture of the world as it is, not as it might be.

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6. The sixth principle of the theory of the mind is that it is a reflection of the world.

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7. The seventh principle of the theory of the mind is that it is a reflection of the world.



Land Use Data and Material, October, 1936, prepared by Philip J. Webster and Adolph deFremery, in the office of the California Unit, Land Use Planning Section, Land Utilization Division, Resettlement Administration.

- V. Soil Survey of the Alturas Area, California, 1931, by the U. S. Department of Agriculture and the University of California.
- VI. Soil Survey of the Big Valley Area, California, 1924, by the U. S. Department of Agriculture and the University of California.
- VII. First Annual Report of the Modoc County Hay and Beef Cattle Study for 1935, by the Agricultural Extension Service of the U. S. Department of Agriculture and the University of California.
- VIII. First Annual Report of the Beef Enterprise Efficiency Study for Modoc and Lassen Counties for 1935 Season, by the Agricultural Extension Service, U. S. Department of Agriculture and the University of California.
- IX. statement of the Land Utilization Committee of the California State Planning Board on Problems of Land Use Management and Jurisdiction in Lassen and Modoc Counties, California, 1935.
- X. Irrigation Districts in California, 1929, by Frank Adams. Bulletin No. 21, State of California Department of Public Works, Reports of the Division of Engineering and Irrigation, Edward Hyatt, Engineer.
- XI. Report on the Pit River Basin, 1915, U. S. Department of Interior, U. S. Reclamation Service in cooperation with the State of California, by the Reclamation Service office at Portland, Oregon.



- I. Land Use Map and Material, October, 1936, prepared by Philip J. Moser and Ralph G. Bennett, in the office of the California State Land Use Planning Section, Land Utilization Division, Department of Agriculture.
- II. Soil Survey of the Alameda Area, California, 1931, by the U. S. Department of Agriculture and the University of California.
- III. Soil Survey of the San Joaquin Area, California, 1932, by the U. S. Department of Agriculture and the University of California.
- IV. First Annual Report of the Fresno County Soil and Water Survey for 1932, by the Agricultural Extension Service of the U. S. Department of Agriculture and the University of California.
- V. First Annual Report of the Kern County Soil and Water Survey for 1932, by the Agricultural Extension Service of the U. S. Department of Agriculture and the University of California.
- VI. Report of the Land Utilization Committee of the California State Planning Board on Problems of Land Use Management and Utilization in Fresno and Kern Counties, California, 1935.
- VII. Investigation of the San Joaquin River, 1932, by Frank Adams, Soil Survey Division, U. S. Department of Agriculture, Fresno, California.
- VIII. Report on the San Joaquin River, U. S. Department of Interior, Bureau of Reclamation, 1935.



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